

ABO Protein, Human, Recombinant (hFc)

General Information

Synonyms:	NAGAT;A3GALNT;ABO blood group;GTB;A3GALT1
Protein Construction:	Ala54-Pro354
Species:	Human
Expression Host:	HEK293 Cells
Accession:	ADX99264.1
Molecular Weight:	60.56 kDa (predicted); 62-70 kDa (Reducing conditions due to glycosylation)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Bis-Tris PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22μm filtered solution in 20mM Tris, 150mM NaCl, 500mM L- Arginine, 2mM DTT (pH 7.0).

Preparation and Storage

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Histo-blood group ABH (O) antigens are major alloantigens in humans. These antigens are widely distributed in human tissues and undergo changes in expression during cellular differentiation and malignant development. The ABH antigens have been characterized as terminal disaccharide determinants which represent secondary gene products. They are synthesized in a stepwise fashion from a precursor by the action of different glycosyltransferases.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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